

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Sangamon Street Right of Way - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Sangamon Street Right of Way
C54R
Chicago, IL

To: Sam Borries, U.S. EPA
Mark Johnson, ATSDR
Jason El-Zein, U.S. EPA
Douglas Ballotti, USEPA

From: Steven Faryan, On-Scene Coordinator

Date: 7/12/2016

Reporting Period: 6/20/2016-7/12/2016

1. Introduction

1.1 Background

Site Number:	C54R	Contract Number:	
D.O. Number:		Action Memo Date:	9/8/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/20/2016	Start Date:	6/20/2016
Demob Date:		Completion Date:	
CERCLIS ID:	ILN000505581	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical Removal Action

1.1.2 Site Description

As part of the investigation phase of the Loewenthal removal project, EPA requested access to the BNSF Right of Way which borders the Loewenthal Site on the east boundary, to delineate the extent of contamination. It was agreed that on behalf of the EPA, the BNSF contractor would collect the necessary soil samples at the designated EPA sampling locations and split samples. These samples were collected on June 21, 2013. In addition to the EPA sampling activities, TRC collected three additional soil samples on June 21, 2013, one block north of the EPA sampling locations (north of Cullerton Street) along the BNSF ROW and east of Sangamon Street. The City of Chicago also owns and maintains a side walk and portions of the Sangamon right of way.

U.S. EPA signed an action memorandum documenting the site conditions on September 8, 2015 and began negotiations to sign a consent order with BNSF railroad to complete the removal action. The consent order with BNSF was signed on March 16, 2016. The removal action work plan which was prepared by BNSF's contractor and all accompanying plans were attached to the consent order.

1.1.2.1 Location

The BNSF Sangamon Right of Way is located in the City of Chicago, Cook County, and runs from 16th Street south along Sangamon Street to 21st Street. The right of way between 16th and 18th street will be fenced off to prevent access and is being assessed separately due to being adjacent to the National Lead Site, which is a site that was in the IEPA voluntary remediation program. The BNSF right of way is located adjacent to the City of Chicago's right of way which includes Sangamon Street and the sidewalk that runs along the west side of the right of way.

1.1.2.2 Description of Threat

Based on the results of the soil samples collected and analyzed for total lead, 33 soil boring locations on the BNSF ROW have total lead concentrations above 800 mg/kg, which is the above the RML for industrial

and residential values. In addition, six sample locations were above the TCLP for lead of 5 mg/l, which is above the RCRA criteria and as such this material will have to be managed as a hazardous waste.

The high levels of lead that were documented meet the criteria for a Superfund Removal Action and as such an Administrative Order on Consent was signed with BNSF to conduct the removal of the soil.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

A Kick off meeting was held on June 16, 2016 with BNSF contractors to initiate the site work and go through questions. BNSF contractors mobilized to the site June 20, 2016 to begin the removal action. Site Safety Plans were reviewed and signed and daily tail gate safety meetings are being conducted.

Between 6/20/2016 and 6/24/2016 Stiles completed cutting and breaking rail lines located on the BNSF ROW.

Between 6/23/2016 and 6/24/2016 Stiles completed mixing process of free flow mixture into areas identified as having soil which exceeded RCRA criteria. This mixing process was completed in order to fixate lead found within the soil in order to lower the levels present and allow it to be sent off as non-hazardous waste. Following fixation TRC collected composite samples to confirm that that mixing process had been successful. These results showed that the lead levels had been lowered to below RML values and the soil could be treated as non-hazardous and disposed of with the rest of the excavation.

On 6/27/2016 Stiles began excavating on the southern end of the property near 21st Street. Stiles will continue to excavate section by section north until they reach 18th Street. Stiles completed excavation to 18th Street on 7/12/2016. The excavated soil is being transported to Waste Management Laraway Landfill located in Joliet, Illinois.

TRC is utilizing two DUSTTRAK 2 particulate monitors, one stationed upwind and one downwind of the excavation area, each day while work is on going. These monitors are set to log continuously and have been uploaded to a secure database. TRC has made the air monitoring data available to EPA and results have been below Site action levels.

On 6/30/2016 Tetra Tech Inc. START collected an 8 hour personal lead sample using a Gillian pump and sample cassette to ensure that the site is operating in compliance with OSHA regulations.

A personal data ram has been deployed in the cab of both the excavator and bulldozer to monitor dust levels for on site personnel.

2.1.2 Response Actions to Date

Stiles, a subcontractor to TRC, has excavated the top 24 inches of soil from the entirety of the BNSF ROW. A survey laser was utilized by TRC to confirm that the proper depth was achieved. TERRA Engineering has been on-site to complete a post excavation survey of the work area. To date a total of 4584.79 tons of non-hazardous soil has been loaded into trucks and transported to Waste Management Laraway landfill in Joliet, Illinois and was used as daily cover at the landfill.

Stiles has begun backfilling the excavated areas with 18" of CA7 stone and will begin backfilling with 6" of topsoil on top of the stone on 7/13/2016

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Excavated Soil to date.

Waste Stream	Date	# of Trucks	Volume (Tons)
Soil	6/27/2016	27	511.11
Soil	6/28/2016	27	523.33
Soil	6/29/2016	20	405.43
Soil	6/30/2016	24	483.33
Soil	7/1/2016	19	391.59
Soil	7/5/2016	18	384.89
Soil	7/6/2016	25	515.41
Soil	7/7/2016	28	570.26
Soil	7/8/2016	38	799.44
TOTAL			4584.79

2.2 Planning Section

2.2.1 Anticipated Activities

USEPA and Tetra Tech will oversee BNSF contractors as they complete removal and backfilling operations and ensure that project is completed according to approved work plans.

2.2.1.1 Planned Response Activities

BNSF contractors will be completing excavations and moving on to backfilling of the excavated areas using 16 inches of CA7 stone and 6 inches of topsoil. The area will be seeded to prevent erosion.

2.2.1.2 Next Steps

BNSF contractors will continue the disposal of non-Hazardous soil as necessary. Once excavation is completed project focus will then shift to backfilling of excavated areas. The soil will be seeded to prevent erosion. A final survey will be conducted to document elevations and site conditions. The City of Chicago is in the planning phase of the El Paseo project which will be a green trail running from 21 st street to 18th street.

2.2.2 Issues

Work was delayed on 7/6/2016 due to lightening in the morning.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

The START cost ceiling is \$25,000.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	\$25,000.00	\$17,000.00	\$8,000.00	32.00%
Intramural Costs				
USEPA - Direct	\$10,555.00	\$0.00	\$10,555.00	100.00%
Total Site Costs	\$35,555.00	\$17,000.00	\$18,555.00	52.19%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

Chris Draper-START Health and Safety Officer

Tyler Gomoll-ERRS Health and Safety Officer

2.5.2 Information Officer

USEPA Community Involvement Coordinator Heriberto Leon has been meeting with the neighborhood community groups. Fact Sheets were handed out in the 1/2 mile square area around the property. A public meeting and open house were held to provide facts and answer questions from the residents. An open house was held at the neighboring Resurrection Project apartments to brief the residents and media and answer questions.

U.S. EPA has provided fact sheets. All of the fact sheets have been reproduced in English and Spanish.

An open house was held on June 15, 2016 at the CASA Maravilla at 2021 S. Morgan in Chicago, Illinois from 5-7. Approximately 30 residences attended the open house.

3. Participating Entities

3.1 Unified Command

US EPA is providing oversight of BNSF contractors

3.2 Cooperating Agencies

City of Chicago

4. Personnel On Site

EPA-1

START-1

TRC-2

Stiles-5

5. Definition of Terms

BNSF-Burlington Northern Santa Fe

RCRA-Resource Conservation and Recovery Act

RML-Removal Management Levels

ROW-Right of Way

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/sangamonstreet

6.2 Reporting Schedule

POLREP will be generated weekly until project is completed

7. Situational Reference Materials

No information available at this time.

POLREP #1 Last Updated 7/12/2016